

1 **WHAT IS CLAIMED IS:**

2 1. An enclosure housing electronic equipment, the enclosure comprising:
3 a frame structure having a plurality of frame members,
4 a plurality of first expansion channels each coupled to at least two separate
5 adjacent frame members, wherein the first expansion channels form adjacent pairs and
6 form an expanded section of the enclosure housing.

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8 2. The enclosure housing of claim 1 further comprising at least one cover plate
9 coupled to a pair of the adjacent first expansion channels.

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11 3. The enclosure housing of claim 2 wherein the cover plate has at least one baffle,
12 deflector or damper.

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14 4. The enclosure housing of claim 2 wherein the cover plate has at least one hole,
15 cutout, or knockout portion.

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17 5. The enclosure housing of claim 4 further comprising an air duct having two ends,
18 one end of the air duct coupled to a cooling system and the other end of the air duct
19 coupled to the hole, cutout or knockout portion.

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21 6. The enclosure housing of claim 4 further comprising a fan assembly mounted
22 within the hole, cutout or knockout portion.

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24 7. The enclosure housing of claim 6 wherein the fan assembly is an air intake
25 assembly.

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27 8. The enclosure housing of claim 6 wherein the fan assembly is an air exhaust
28 assembly.

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30 9. The enclosure housing of claim 6 wherein the fan assembly is capable of
31 operating as an air intake or air exhaust assembly.

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- 2 10. The enclosure housing of claim 6 wherein the fan assembly is capable of
- 3 operating as an air circulation assembly.
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- 5 11. The enclosure housing of claim 6 further comprising a cover plate mounted on the
- 6 fan assembly.
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- 8 12. The enclosure housing of claim 11 further comprising a filter mounted within the
- 9 fan assembly's cover plate.
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- 11 13. The enclosure housing of claim 1 further comprising at least one power strip
- 12 mounted to an interior surface of at least one first expansion member.
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- 14 14. The enclosure housing of claim 1 further comprising a cable rail or tray
- 15 interposed between the two adjacent frame members and the pair of adjacent first
- 16 expansion channels, the cable rail or tray capable of supporting a cable.
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- 18 15. The enclosure housing of claim 14, wherein the cable rail or tray further
- 19 comprises at least one cable ring capable of further supporting a cable.
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- 21 16. The enclosure housing of claim 15, wherein the cable ring is a Velcro strap.
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- 23 17. The enclosure housing of claim 1 further comprising at least one cable ring
- 24 mounted to at least one expansion channel.
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- 26 18. The enclosure housing of claim 1 further comprising a second plurality of
- 27 adjacent expansion channels each coupled to at least two separate adjacent first expansion
- 28 channels, wherein the second expansion channels form a further expanded section of the
- 29 enclosure housing.
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1 19. The enclosure housing of claim 1 wherein at least one pair of the coupled first
2 expansion members has a hinge.

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4 20. The enclosure housing of claim 1 further comprising a cover coupled to the
5 expanded section of the enclosure housing.

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7 21. The enclosure housing of claim 20 wherein the cover is a door.

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9 22. The enclosure housing of claim 21 wherein the door has a transparent portion.

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